

Indian Valley Industries, Inc.

Technical Data Sheet

IVI Sediment Control Grate Bags

30" X 54"

(all standard grate sizes are available)

IVI Sediment Control Grate Bags are an inlet protection device that is an effective BMP for NPDES Regulations. Filtering sediment laden water, the grate bags keep silt, sediment and debris out of storm water systems. The bags are constructed with strong woven seams and are a reusable, economical choice. All standard grate sizes are available.

The fabric is composed of high-tenacity monofilament polypropylene yarns, which are woven into a stable network such that the yarns retain their relative position. It is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

Preparations For Use: Bags should be filled with clean, 3/4" crushed or 1/4" pea gravel from 50% to 75% full. Unfilled portion should be folded underneath bag and placed into position. **DO NOT OVERFILL BAG.**

Physical Property	Test Method	Data (metric)	
Grab Tensile Strength	ASTM D-4632	365 x 200 lbs (1.62 x 0.89 kN)	
Grab Tensile Elongation	ASTM D-4632	15%	
Wide Width Tensile Strength	ASTM D-4595	200 x 140 lbs/in 2400 x 1680 lbs/ft	(35.03 x 24.52 kN/m)
Mullen Burst Strength	ASTM D-3786	450 psi (3100 kPa)	
Trapezoid Tear Strength	ASTM D-4533	115 x 75 lbs (0.51 x 0.33 kN)	
Puncture Strength	ASTM D-4833	90 lbs (0.40 kN)	
CBR Puncture	ASTM D-6241	675 lbs (3.00 kN)	
UV Resistance	ASTM D-4355	90% @ 500 hrs	
Permittivity	ASTM D-4491	2.1 sec ⁻¹	
Water Flow Rate	ASTM D-4491	145 gpm/ft ² (5907 lpm/m ²)	
Percent Open Area	CW-02215	11-15%	
Apparent Opening Size	ASTM D-4751	30-40 US Sieve (0.600-0.425mm)	
<ul style="list-style-type: none">• Unless otherwise stated, all values stated here are Minimum Average Roll Values (MARV), are calculated as the Typical minus two standard deviations and are based on a 97.7% confidence level.• The properties reported above are effective 08/01/10 and are subject to change without notice.			

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